

#3

Abstract

Described is a micro-structured paper or paper-like material having a self-cleaning and/or non-adhesive effect whereby the paper or paper-like material is hydrophobic across the entire cross-section of the material and which is micro-structured in such a way that the surface is provided with elevations and depressions whereby the distance between the elevations ranges from 0.04 to 100 microns and the height of the elevations ranges from 0.04 to 100 microns, and whereby the paper or paper-like material is characterized in that it contains particles having the size of 0.04 to 50 microns that are bound to the paper or paper-like material by means of a binder, and whereby the paper or paper-like material is hydrophobic across the entire cross section of the material, as well as a method for the production thereof.

2022-09-20 10:00:00